

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/AU2003/001576

|   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
|---|--|--|--|--|--|---|---|--|---|--|--|---|--|--|
| <b>A. CLASSIFICATION OF SUBJECT MATTER</b>  |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Int. Cl. <sup>7</sup> : A63B 23/12, 21/05   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| According to International Patent Classification (IPC) or to both national classification and IPC   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| <b>B. FIELDS SEARCHED</b>   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Minimum documentation searched (classification system followed by classification symbols)   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Electronic search as below  |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)<br>DWPI (IPC: A63B 21/-, A63B 23/- ; KEYWORDS: spring, compress+, pneumat+, elast+, hydraul+, forc+, resist+, pressur+, tone, exercis+, condition+, work+, limb, arm, bicep, tricep, elbow, forearm, telescop+, tube, tubing, tubular, piston, extend+, extension, rotat+, support+)   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| <b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.  |  |  |  |   |   |  |   |  |  |   |  |  |
| X   | US 3174343 A (KASULIS) 23 March 1965<br>See figure 1.  | 1 to 26  |  |  |  |   |   |  |   |  |  |   |  |  |
| X   | US 767088 A (PELLETIER et al.) 9 August 1904<br>See figure 1.  | 1 to 26  |  |  |  |   |   |  |   |  |  |   |  |  |
| X   | US 5501646 A (MILLER) 26 March 1996<br>See figures 1 to 10.  | 1 to 26  |  |  |  |   |   |  |   |  |  |   |  |  |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex   |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| <table border="0"> <tr> <td>* Special categories of cited documents:</td> <td></td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E" earlier application or patent but published on or after the international filing date</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&amp;" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table> |  |  | * Special categories of cited documents: |  | "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | "P" document published prior to the international filing date but later than the priority date claimed |  |
| * Special categories of cited documents:  |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| "A" document defining the general state of the art which is not considered to be of particular relevance  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| "E" earlier application or patent but published on or after the international filing date   | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone   |  |  |  |  |   |   |  |   |  |  |   |  |  |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)   | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |  |  |  |  |   |   |  |   |  |  |   |  |  |
| "O" document referring to an oral disclosure, use, exhibition or other means  | "&" document member of the same patent family  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| "P" document published prior to the international filing date but later than the priority date claimed  |  |  |  |  |  |   |   |  |   |  |  |   |  |  |
| Date of the actual completion of the international search<br>2 March 2004   |  | Date of mailing of the international search report<br>- 8 MAR 2004       |  |  |  |   |   |  |   |  |  |   |  |  |
| Name and mailing address of the ISA/AU<br>AUSTRALIAN PATENT OFFICE<br>PO BOX 200, WODEN ACT 2606, AUSTRALIA<br>E-mail address: pct@ipaustalia.gov.au<br>Facsimile No. (02) 6285 3929  |  | Authorized officer<br><br>PETER T. WEST<br>Telephone No : (02) 6283 2108 |  |  |  |   |   |  |   |  |  |   |  |  |

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2003/001576

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |  |                       |
|---|--|-----------------------|
| Category*   | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X   | US 3976057 A (BARCLAY) 24 August 1976<br>See figure 1.                             | 1 to 26               |
| X   | US 4684125 A (LANTZ) 4 August 1987<br>See figure 1 and column 1.                   | 1 to 26               |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2003/001576

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in<br>Search Report | Patent Family Member |            |              |
|---|----------------------|------------|--------------|
| US 3174343                                | NONE                 |            |              |
| US 167088                                 | NONE                 |            |              |
| US 5501646                                | NONE                 |            |              |
| US 3976057                                | NONE                 |            |              |
| US 4684125                                | AU 24113/84          | CA 1226009 | DK 411184    |
|   | EP 134788            | ES 8500566 | FI 843539    |
|   | NO 843536            | SE 8300095 | WO 8402659   |
|   |                      |            | END OF ANNEX |